

**CONNECTOR SYSTEM FOR A DOCKING STATION
OF A PORTABLE COMPUTER SYSTEM**

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ABSTRACT OF THE DISCLOSURE

The present invention is embodied in a connector system for a docking station of a portable computer. The connector system includes a peripheral connector array that is removeably coupled, both mechanically and electrically, to a docking station or port replicator. Since the connector array is removeably coupled to the port replicator, the connector array can be maneuvered to allow easy and convenient connection of appropriate peripherals to the connector array. Also, the port replicator preferably has a recessed area for storing the connector array after electrical connection of appropriate peripherals to the connector array. This reduces clutter and tangling of the cables connected to the peripherals. In addition, the connector array can be of various sizes and shapes and can be designed to interface with specific portable computers. Further, the connector system of the present invention can be upgradeable in that the port replicator can accept upgraded or newer connector arrays that have additional or advanced connections for peripheral devices.